

**DE 2412852 B**

DIALOG(R)File 351:Derwent WPI  
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Control system for high speed ink jet printer - determines droplet frequency and time of release of individual droplets

Patent Assignee: SIEMENS AG (SIEI )

Number of Countries: 001 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 2412852	A	19751002				197541 B
DE 2412852	B	19790523				197922

Priority Applications (No Type Date): DE 2412852 A 19740318

Abstract (Basic): DE 2412852 A

A monitoring unit coupled to the electrode system for droplet control picks up charge displacements as the droplets pass through an electrode and feeds these via a coupling circuit to an amplifier. The monitoring unit comprises a resistance arranged in parallel with a capacitor and the input to the coupling circuit. One end of the resistance is connected with the electrode. The coupling circuit incorporates two resistances of equal resistance and two capacitors of equal capacitance whereby the inputs are capacitively decoupled from the outputs of the coupling circuit. The frequency of dripping of the drops and the release point of time of single droplets is made easily recognizable and controllable.

Title Terms: CONTROL; SYSTEM; HIGH; SPEED; INK; JET; PRINT; DETERMINE; DROP ; FREQUENCY; TIME; RELEASE; INDIVIDUAL; DROP

Derwent Class: P75

International Patent Class (Additional): B41J-003/04

File Segment: EngPI